

ABSTRACT OF THE DISCLOSURE

5 An apparatus and process for applying finish to an
expanded filament array in a quench system with air
directed inward to the filament bundle. The applicator
may be used inside or proximate quench zones in a
radial, pneumatic, or cross-flow quench system. The
apparatus includes a spinneret, a quench zone located
10 below said spinneret, wherein cooling gas is directed
inward to an expanded filament array inside said quench
zone, and an applicator inside or below said quench
zone, wherein the applicator contacts the filament and
delivers the finish to the expanded filament array.